

## **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 6843-048-304	FOR FURTHER ACTION		on of Transmittal of International xamination Report (Form PCT/IPEA/416)					
International application No.	International filing date (day/mon	th/year)	Priority date (day/month/year)					
PCT/US03/18499	12 June 2003 (12.06.2003)		13 June 2002 (13.06.2002)					
International Patent Classification (IPC)	or national classification and IPC							
IPC(7): C12N 15/63; C12P 19/34; C12Q 1/68; C07H 21/00, 21/02, 21/04 and US C1.: 435/6, 91.1, 91.31, 455; 536/23.1, 24.31, 24.5								
Applicant	Applicant							
AMGEN, INC.	AMGEN, INC.							
This international preliminary examination report has been prepared by this International Preliminary     Examining Authority and is transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of sheets, including this cover sheet.								
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
These annexes consist of a total of sheets.								
3. This report contains indications relating to the following items:								
I Basis of the repo	I Basis of the report							
II Priority								
applicability; citations and explanations supporting such statement								
VI Certain docume	VI Certain documents cited							
VII Certain defects	VII Certain defects in the international application							
VIII Certain observa	VIII Certain observations on the international application							
Date of submission of the demand	Date	of completion	of this report					
08 December 2003 (08.12.2003)		08 February 2005 (08.02.2005)						
Name and mailing address of the IPEA/US  Mail Stop PCT, Atm: IPEA/US  Commissioner for Patents  P.O. Box 1450  Alexandria, Virginia 22313-1450		rized officer Zata none No. (571)	272-1600					
Facsimile No. (703) 305-3230 Form PCT/IPEA/409 (cover sheet)(July 19								



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International	a ported	tion	No.

PCT/US03/18499

	I.	Basi	s of the report
	1.	With	regard to the elements of the international application:*
		$\boxtimes$	the international application as originally filed.
l		$\boxtimes$	the description:
			pages 1-65 as originally filed
			pages NONE , filed with the demand pages NONE , filed with the letter of .
		$\square$	the claims:
			pages 66-68 , as originally filed
			pages NONE , as amended (together with any statement) under Article 19
			pages NONE , filed with the demand pages NONE , filed with the letter of .
		$\square$	the drawings:
			pages 1-53 , as originally filed
			pages NONE , filed with the demand
.			pages NONE , filed with the letter of
١		$\boxtimes$	the sequence listing part of the description:
			pages 1-33 , as originally filed pages NONE , filed with the demand
			pages NONE , filed with the letter of
			regard to the language, all the elements marked above were available or furnished to this Authority in the
			age in which the international application was filed, unless otherwise indicated under this item.  e elements were available or furnished to this Authority in the following language which is:
			the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
			the language of publication of the international application (under Rule 48.3(b)).
			the language of the translation furnished for the purposes of international preliminary examination(under Rules 55.2 and/or 55.3).
			regard to any nucleotide and/or amino acid sequence disclosed in the international application, the national preliminary examination was carried out on the basis of the sequence listing:
İ		$\boxtimes$	contained in the international application in printed form.
		$\boxtimes$	filed together with the international application in computer readable form.
			furnished subsequently to this Authority in written form.
			furnished subsequently to this Authority in computer readable form.
			The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
			The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
	4.		The amendments have resulted in the cancellation of:
١			the description, pages NONE
			the claims, Nos. NONE
			the drawings, sheets/fig NONE
	5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
	this	repo	sement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in ret as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). eplacement sheet containing such amendments must be referred to under item 1 and annexed to this report.



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V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
1. STATEMENT						
Novelty (N)	Claims	1-57	YES			
,	Claims	NONE	NO			
Landing Char (IC)	Claima	1.57	VEC			
Inventive Step (IS)	Claims Claims	NONE	YES NO			
	Ciumb	NONE				
Industrial Applicability (IA)	Claims	1-57	YES			
	Claims	NONE	NO			
sequences from each other; nor do they suggest vect structures I through VIII); nor methods of making the hammerhead ribozymes and selecting for cleavage cribozymes with library sequences and selecting for reclaims 1-57 meet the criteria set out in PCT Article can be made or used in industry.	nese ribozymes apable ribozyn ribozymes that 33(4), and thu	; nor do they teach methods of makes by incubating the claimed cis or cleave library sequences at an initia	ing libraries of these trans-acting hammerhead l rate of 0.5 per minute			